



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Paul DiCarlo et al.  
Serial No. : 10/791,552  
Filed : March 2, 2004  
Title : EMBOLIZATION

Art Unit : 1616  
Examiner : Unknown

**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Applicants request consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request.

The following references that are listed on the attached form PTO-1449 are commonly owned co-pending U.S. patent applications:

US 2003/0032935 A1 (USSN 10/158,642), filed May 30, 2002  
US 2003/0183962 A1 (USSN 10/109,966), filed March 29, 2002  
US 2003/0185895 A1 (USSN 10/232,265), filed August 30, 2002  
US 2003/0185896 A1 (USSN 10/215,594), filed August 9, 2002  
US 2003/0203985 A1 (USSN 10/402,068), filed March 28, 2003  
US 2003/0206864 A1 (USSN 10/461,608), filed June 13, 2003  
US 2003/0233150 A1 (USSN 10/231,664), filed August 30, 2002  
US 2004/0076582 A1 (USSN 10/615,276), filed July 8, 2003  
US 2004/0091543 A1 (USSN 10/700,970), filed November 4, 2003  
US 2004/0092883 A1 (USSN 10/278,248), filed October 23, 2002  
US 2004/0096662 A1 (USSN 10/637,130), filed August 8, 2003  
US 2004/0101564 A1 (USSN 10/651,475), filed August 29, 2003  
US 2005/0095428 A1 (USSN 10/791,103), filed March 2, 2004  
US 2005/0129775 A1 (USSN 10/928,452), filed August 27, 2004

**CERTIFICATE OF MAILING BY FIRST CLASS MAIL**

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

November 18, 2005  
Date of Deposit

Scott Barrett  
Signature

Scott Barrett  
Typed or Printed Name of Person Signing Certificate

Applicants also hereby notify the Examiner of the following commonly owned co-pending U.S. patent applications:

U.S. Patent Application Serial No. 10/814,079, filed March 30, 2004  
U.S. Patent Application Serial No. 10/830,195, filed April 22, 2004  
U.S. Patent Application Serial No. 10/858,253, filed June 1, 2004  
U.S. Patent Application Serial No. 10/927,868, filed August 27, 2004  
U.S. Patent Application Serial No. 11/000,741, filed December 1, 2004  
U.S. Patent Application Serial No. 11/070,967, filed March 2, 2005  
U.S. Patent Application Serial No. 11/111,511, filed April 21, 2005  
U.S. Patent Application Serial No. 11/117,156, filed April 28, 2005  
U.S. Patent Application Serial No. 11/154,106, filed June 15, 2005  
U.S. Patent Application Serial No. 11/165,949, filed June 24, 2005  
U.S. Patent Application Serial No. 11/248,033, filed October 12, 2005  
U.S. Patent Application Serial No. 11/248,493, filed October 12, 2005

Applicants are uncertain of the date of publication of the following references that are listed in the attached PTO-1449 form:

- (1) "Fibroid Treatment Collective – Fibroid Embolization," 2 pages, <http://www.fibroids.org> (Ref. A146)
- (2) Kochan, J.P. et al., "Interventional Neuroradiology: Current Practices and Techniques at Temple University Hospital," <http://www.temple.edu/radiology/stroke.html>, 5 pages (Ref. A165)
- (3) Mather, P.T., Research Group Homepage, Basic Goals and Methods, <http://www.ims.uconn.edu/~mather>, 4 pages (Ref. A179)
- (4) SIR-Spheres (Yttrium-90 Microspheres), pp. 1-12 (Ref. A207)

Therefore, while Applicants do not concede that these references qualify as prior art to this application, Applicants request that the Examiner treat them as prior art at this time for purposes of examination of this application.

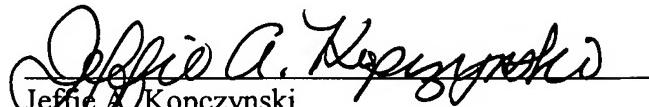
Applicant : Paul DiCarlo et al.  
Serial No. : 10/791,552  
Filed : March 2, 2004  
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Attorney's Docket No.: 01194-461001 / 03-208

This statement is being filed before the receipt of a first Office Action on the merits.  
Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: NOVEMBER 18, 2005

  
Jefrie A. Kopczynski  
Reg. No. 56,395

Fish & Richardson P.C.  
225 Franklin Street  
Boston, MA 02110-2804  
Telephone: (617) 542-5070  
Facsimile: (617) 542-8906

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Sheet 1 of 12

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce U.S. Patent and Trademark Office	Attorney's Docket No. 01194-461001	Application No. 10/791,552
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Paul DiCarlo et al.		
		Filing Date March 2, 2004	Group Art Unit 1616	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	A1	4,034,759	07/12/1977	Haerr			
	A2	4,094,848	06/13/1978	Naito			
	A3	4,096,230	06/20/1978	Haerr			
	A4	4,159,719	07/03/1979	Haerr			
	A5	4,402,319	09/06/1983	Handa et al.			
	A6	4,640,807	02/03/1987	Afghan et al.			
	A7	4,674,480	06/23/1987	Lemelson			
	A8	4,713,076	12/15/1987	Draenert			
	A9	4,793,980	12/27/1988	Torobin			
	A10	4,897,255	01/30/1990	Fritzberg et al.			
	A11	4,946,899	08/07/1990	Kennedy et al.			
	A12	5,015,423	05/14/1991	Eguchi et al.			
	A13	5,091,205	02/25/1992	Fan			
	A14	5,181,921	01/26/1993	Makita et al.			
	A15	5,190,760	03/02/1993	Baker			
	A16	5,192,301	03/09/1993	Kamiya et al.			
	A17	5,263,992	11/23/1993	Guire			
	A18	5,320,639	06/14/1994	Rudnick			
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	A20	5,328,936	07/12/1994	Leifholtz et al.			
	A21	5,336,263	08/09/1994	Ersek et al.			
	A22	5,443,495	08/22/1995	Buscemi et al.			
	A23	5,733,925	03/31/1998	Kunz et al.			
	A24	5,741,331	04/21/1998	Pinchuk			
	A25	5,756,127	05/26/1998	Grisoni et al.			
	A26	5,840,387	11/24/1998	Berlowitz-Tarrant et al.			
	A27	5,888,930	03/30/1999	Smith et al.			

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	A28	5,895,398	04/20/1999	Wensel et al.			
	A29	5,902,834	05/11/1999	Porrvik			
	A30	6,048,908	04/11/2000	Kitagawa			
	A31	6,056,721	05/02/2000	Shulze			
	A32	6,056,844	05/02/2000	Guiles et al.			
	A33	6,160,084	12/12/2000	Langer et al.			
	A34	6,179,817	01/30/2001	Zhong			
	A35	6,245,090	06/12/2001	Gilson et al.			
	A36	6,280,457	08/28/2001	Wallace et al.			
	A37	6,296,604	10/02/2001	Garibaldi et al.			
	A38	6,296,622	10/02/2001	Kurz et al.			
	A39	6,296,632	10/02/2001	Luscher et al.			
	A40	6,306,419	10/23/2001	Vachon et al.			
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	A51	6,458,296	10/01/2002	Heinzen et al.			
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	A53	6,476,069	11/05/2002	Krall et al.			
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<b>U.S. Patent Documents</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	A55	6,495,155	12/17/2002	Tice et al.			
	A56	2002/0197208	12/26/2002	Ruys et al.			
	A57	2003/0007928	01/09/2003	Gray			
	A58	2003/0032935	02/13/2003	Damiano et al.			
	A59	6,544,503	04/08/2003	Vanderhoff et al.			
	A60	6,545,097	04/08/2003	Pinchuk et al.			
	A61	2003/0097120	05/22/2003	Santerre			
	A62	6,575,896	06/10/2003	Silverman et al.			
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	A64	6,602,261	08/05/2003	Greene, Jr., et al.			
	A65	6,605,111	08/12/2003	Bose et al.			
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	A68	2003/0185896	10/02/2003	Buiser et al.			
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	A70	6,629,947	10/07/2003	Sahatjian et al.			
	A71	6,632,531	10/14/2003	Blankenship			
	A72	2003/0194390	10/16/2003	Krall et al.			
	A73	2003/0203985	10/30/2003	Baldwin et al.			
	A74	2003/0206864	11/06/2003	Mangin			
	A75	6,652,883	11/25/2003	Goupil et al.			
	A76	2003/0233150	12/18/2003	Bourne et al.			
	A77	6,699,222	03/02/2004	Jones et al.			
	A78	2004/0076582	04/22/2004	DiMatteo et al.			
	A79	2004/0091543	05/13/2004	Bell et al.			
	A80	2004/0092883	05/13/2004	Casey III, et al.			
	A81	2004/0096662	05/20/2004	Lanphere et al.			

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<b>U.S. Patent Documents</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	A82	2004/0101564	05/27/2004	Rioux et al.			
	A83	2004/0186377	09/23/2004	Zhong et al.			
	A84	2005/0025800	02/03/2005	Tan			
	A85	2005/0037047	02/17/2005	Song			
	A86	2005/0095428	05/05/2005	DiCarlo et al.			
	A87	2005/0129775	06/16/2005	Lanphere et al.			

<b>Foreign Patent Documents or Published Foreign Patent Applications</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes      No
	A88	AU-A-76186/98	10/15/1998	Australia			
	A89	EP 0 067 459 A1	12/22/1982	EPO			
	A90	EP 0 122 624	10/24/1984	EPO			X
	A91	EP 0 122 624	10/24/1984	EPO (Abstract)			X
	A92	EP 0 123 235	10/31/1984	EPO			X
	A93	EP 0 123 235	10/31/1984	EPO (Abstract)			X
	A94	EP 0 243 165	10/28/1987	EPO			
	A95	EP 0 294 206	12/07/1988	EPO			
	A96	EP 0 458 079	11/27/1991	EPO			X
	A97	EP 0 458 079	11/27/1991	EPO (Abstract)			X
	A98	EP 0 458 745	11/27/1991	EPO			
	A99	EP 0 067 459 B1	03/09/1998	EPO			
	A100	EP 0 764 047	08/27/2003	EPO			
	A101	EP 0 993 337	04/14/2004	EPO			
	A102	DE 3834705	04/12/1990	Germany			X
	A103	DE 3834705	04/12/1990	Germany (Abstract)			X
	A104	JP 2000189511	07/11/2000	Japan (Abstract)			X
	A105	JP 2001079011	03/27/2001	Japan (Abstract)			X

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<b>Foreign Patent Documents or Published Foreign Patent Applications</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
							Yes      No
	A106	NZ 255409	02/24/1997	New Zealand			
	A107	NZ 517377	08/29/2003	New Zealand			
	A108	TW 421658	02/11/2001	Taiwan (Abstract)			X
	A109	WO 91/12823	05/09/1991	WIPO			
	A110	WO 95/33553	12/14/1995	WIPO			
	A111	WO 98/26737	06/25/1998	WIPO			
	A112	WO 99/00187	01/07/1999	WIPO			
	A113	WO 00/032112	06/08/2000	WIPO (Corrected Version)			
	A114	WO 01/12359	02/22/2001	WIPO			
	A115	WO 01/72281	10/04/2001	WIPO			
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	A117	WO 03/016364	02/27/2003	WIPO			
	A118	WO 03/051451	06/26/2003	WIPO			
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	A120	WO 2004/073688	09/02/2004	WIPO			
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<b>Other Documents (include Author, Title, Date, and Place of Publication)</b>		
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	A122	Abbara et al., "Transcervical Expulsion of a Fibroid as a Result of Uterine Artery Embolization for Leiomyomata", <i>JVIR</i> , Vol. 10, No. 4, pp. 409-411, 1999
	A123	Abrahams, J.M. et al., "Topic Review: Surface Modifications Enhancing Biological Activity of Guglielmi Detachable Coils in Treating Intracranial Aneurysms", <i>Surg. Neurol.</i> 54:34-41, 2000
	A124	Abrahams, J.M. et al., "Delivery of Human Vascular Endothelial Growth Factor with Platinum Coils Enhances Wall Thickening and Coil Impregnation in a Rat Aneurysm Model", <i>AJNR Am. J. Neuroradiol.</i> 22:1410-1417, August 2001
	A125	Ahuja, A.A., "Platinum Coil Coatings to Increase Thrombogenicity: A Preliminary Study in Rabbits", <i>AJNR Am. J. Neuroradiol.</i> 14:794-798; July/August 1993
	A126	Antibody Labeling, <a href="http://www.altcorp.com/AffinityLabeling/ablaeling.htm">http://www.altcorp.com/AffinityLabeling/ablaeling.htm</a> , pp. 1-6, May 20, 2003
	A127	Berkowitz, R.P. et al., "Vaginal Expulsion of Submucosal Fibroids After Uterine Artery Embolization", <i>Journal of Reproductive Medicine</i> , Vol. 44, No. 4, pp. 373-376; April 1999 <a href="http://www.reproductivemedicine.com">http://www.reproductivemedicine.com</a>

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**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	A128	Bourke et al., "Protein Drug Release from Photocrosslinked Poly(vinyl alcohol) Hydrogels," <i>Society for Biomaterials 28<sup>th</sup> Annual Meeting Transactions</i> , p. 144 (2002)
	A129	Bradley, E.A. et al., "Transcatheter Uterine Artery Embolisation to Treat Large Uterine Fibroids", <i>British Journal of Obstetrics and Gynaecology</i> , Vol. 105, pp. 235-240; February 1998
	A130	Brockmann, J. et al., "Radiolabeling of p-Bz-DOTA-CD-11c antibody with <sup>88</sup> Y: Conjugation, Labeling, Biodistribution studies", 2 pages, 2000 <a href="http://www.kernchemie.uni-mainz.de/downloads/jb2000/b14_brockmann.pdf">http://www.kernchemie.uni-mainz.de/downloads/jb2000/b14_brockmann.pdf</a>
	A131	Capozza et al., "Endoscopic treatment of vesico-ureteric reflux and urinary incontinence: technical problems in the paediatric patient," <i>British Journal of Urology</i> , 75(4):538-542 (April 1995)
	A132	Carroll, B.A. et al., "Microbubbles as Ultrasonic Contrast Agents", <i>Investigative Radiology</i> , Vol. 14, No. 3, p. 374, Supplement to May-June 1979
	A133	Carroll, B.A. et al., "Gelatin Encapsulated Nitrogen Microbubbles as Ultrasonic Contrast Agents", <i>Journal of Clinical and Laboratory Research</i> , Vol. 15, No. 1, pp. 260-266, February 1980
	A134	Carstensen, E.L. et al., "Determination of the Acoustic Properties of Blood and its Components", <i>Journal of Acoustical Society of America</i> , Vol. 25, No. 2, pp. 286-289, March 1953
	A135	Cirkel, U. et al., "Experience with Leuprorelin Acetate Depot in the Treatment of Fibroids: A German Multicentre Study", <i>Clinical Therapeutics</i> , Vol. 14, Suppl. A, 1992
	A136	Concentric Medical, Inc.- Product Information (3 pages), 2002
	A137	Cruise et al., "In Vitro and In Vivo Characterization of a Hydrogel-Based Aneurysm Embolization System," <i>Society for Biomaterials 28<sup>th</sup> Annual Meeting Transactions</i> , p. 203 (2002)
	A138	Deasy, P. B., "Microencapsulation and Related Drug Processes", New York, NY, Marcel Dekker, Inc., 345 pages, 1984 (Table of Contents only)
	A139	DeGast, A.N. et al., "Transforming Growth Factor $\beta$ -coated Platinum Coils for Endovascular Treatment of Aneurysms: An Animal Study", <i>Neurosurgery</i> , Vol. 49, No. 3, pp. 690-696, Sept. 2001
	A140	Duckwiler et al., "Catheters, embolic agents spark neurointervention," <i>Diagnostic Imaging</i> , 16(5):66-72 (May 1994)
	A141	Ersek et al., "Bioplastique: A New Textured Copolymer Microparticle Promises Permanence in Soft-Tissue Augmentation," <i>Plastic and Reconstructive Surgery</i> , 87(4):693-702 (April 1991)
	A142	Eskridge, "Interventional Neuroradiology," <i>Radiology</i> , 172:991-1006 (November 1989)
	A143	Feldman, L. et al., "Transcatheter Vessel Occlusion: Angiographic Results Versus Clinical Success", <i>Radiology</i> , Vol. 147, pp. 1-5, April 1983
	A144	Ferrofluids, Physical Properties and Applications Ferrofluidics Corp., Nashua, NH, 5 pages, 1986
	A145	FeRx Incorporated, FERX Profile <a href="http://www.biotechshares.com/FERX.htm">http://www.biotechshares.com/FERX.htm</a> , 4 pages (Retrieved from the internet on June 26, 2003)
	A146	"Fibroid Treatment Collective – Fibroid Embolization," 2 pages, <a href="http://www.fibroids.org">http://www.fibroids.org</a>
	A147	Fritsch, T. et al., "SH U 508, A Transpulmonary Echocontrast Agent", <i>Investigative Radiology</i> , Vol. 25, Supplement 1, pp. S160-S161, September 1990
	A148	Fujimoto, S. et al., "Biodegradable Mitomycin C Microspheres Given Intra-Arterially for Inoperable Hepatic Cancer", <i>Cancer</i> , Vol. 56, pp. 2404-2410, 1985

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<b>Other Documents (include Author, Title, Date, and Place of Publication)</b>		
Examiner Initial	Desig. ID	Document
	A149	Gilbert, W.M. et al., "Angiographic Embolization in the Management of Hemorrhagic Complications of Pregnancy", <i>American Journal of Obstetrics and Gynecology</i> , Vol. 166, No. 2, pp. 493-497, February 1992
	A150	Goldberg, B.B., "Ultrasonic Cholangiography", <i>Radiology</i> , Vol. 118, pp. 401-404, February 1976
	A151	Gramiak et al., "Echocardiography of the Aortic Root," <i>Investigative Radiology</i> , 3(5):356-366 (September-October 1968)
	A152	Gramiak, R. et al., "Ultrasound Cardiography: Contrast Studies in Anatomy and Function", <i>Radiology</i> , Vol. 92, No. 5, pp. 939-948, April 1969
	A153	Greenwood, L.H. et al., "Obstetric and Nonmalignant Gynecologic Bleeding: Treatment with Angiographic Embolization", <i>Radiology</i> , Vol. 164, No. 1, pp. 155-159, July 1987
	A154	Gupta et al., "Plasma-induced graft polymerization of acrylic acid onto poly(ethylene terephthalate) films: characterization and human smooth muscle cell growth on grafted films," <i>Biomaterials</i> , 23:863-871 (2002)
	A155	Halstenberg et al., "Biologically Engineered Protein-graft-Poly(ethylene glycol) Hydrogels: A Cell Adhesive and Plasmin-Degradable Biosynthetic Material for Tissue Repair," <i>Biomacromolecules</i> , 3(4):710-723 (2002)
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